

Serial No.: 10/759,677
ST00001C1 (217-US-C1)

REMARKS

Claims 1, 3-7, 9, 10, 12, 13 and 15 are pending in the current application and Applicant has amended claims 1 and 3. Applicant asks that the Examiner reconsider the application in view of the remarks and claim amendments. Applicant has not added any new matter with the claim amendment.

Response to Specification Objection

Applicant has submitted a new abstract in response to the Examiner's Objection to the specification. Applicant now submits that the objection has been addressed and that the application is in condition for allowance.

Response to Claim Objections

The Examiner objected to the placement of the formula in claim 3 and 4. Applicant has amended claim 3 and moved the formula as requested by the Examiner. Claim 4 was objected to because it contained allowable subject matter, but dependent on a rejected independent claim. Applicant has amended independent claim 1 to make it allowable, so the objection to claim 4 is moot. Applicant now submits that claim 3 and 4 are in condition for allowance and that the objections have been addressed.

Serial No.: 10/759,677
ST00001C1 (217-US-C1)

Response to 35 U.S.C. §102(e)

Claims 1 and 6 were rejected by the Examiner under 35 U.S.C. §102(e) as being anticipated by Salkhi patent application (US 2003/0128157 A1). The Salkhi patent describes using an accurate clock in a sleep mode to enable rapid satellite acquisition.

The Examiner cited to paragraph [0009] of the Salkhi patent describes "the arrival of a given chip at a receiver unit is measured relative to a local timing epoch, such as the T20, then the propagation time of the chip from the satellite to the GPS receiver unit can be measured as accurately as GPS time at the T20 epoch is known." The GPS time and the T20 epoch (20ms clock) are known relative to each other.

The teachings of Salkhi are opposed to Applicant's claims that use an error that is determined from a chip that is offset from an expected chip. The local clock and GPS time are not both known. Rather, the local clock may have an error that is less than 0.5 ms relative to GPS time. Further, the T20 epoch approach of Salkhi would be inoperable in Applicant's approach because the T20 20ms could have an error greater than 0.5 ms.

Applicant explained on page 12 of the application that "if the receiver does know GPS system time to better than 0.5 ms (better than one half of a code period), [but not exact GPS time], then it can determine where this code period fits in the overall GPS signal structure." If a T20 epoch is used, then the receiver will not be able to identify where the code period would fit in the PS signal structure and would not know the number of chips apart the received chip and expected chip would be.

Therefore, independent claims 1 and 6 as presented in this non-final office action response are in condition for allowance along with the claims that depend from the allowable independent claims.

Serial No.: 10/759,677
ST00001C1 (217-US-C1)

Response to 35 U.S.C. §103 Rejection

The Examiner rejected claims 5 under 35 U.S.C. §103 as being unpatentable over Salkhi. Applicant submits that this rejection is now moot, because claim 5 depends from an allowable independent claim and is in condition for allowance.

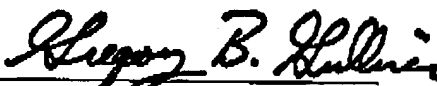
Allowable Subject Matter

The Applicant acknowledges and thanks the Examiner for finding claims 7, 9, 10, 13 and 15 being allowed and claims 3 and 4 allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claim 1 has been amended with some of the subject matter from claim 3 and is now in condition for allowance along with dependent claims 3 and 4. Applicant believes that the Examiner mistakenly did not include claim 12 in the list of allowable claims. Claim 12 was not discussed or listed in any of the claim rejections, but is dependent on allowed claim 10.

Conclusion

In view of the foregoing discussion and amendments, Applicant respectfully submits that claims 1, 3-7, 9, 10, 12, 13 and 15 as now presented, are in a condition for allowance, which action is earnestly solicited.

Respectfully submitted,
The Eclipse Group

By 
Attorney for Assignee
Gregory B. Gulliver, Reg. 44,138
Phone: (847) 282-3551
Fax: (847) 574-8035

The Eclipse Group LLP
100 Tri-State International
Suite 128
Lincolnshire, IL 60069

Customer No. 34408